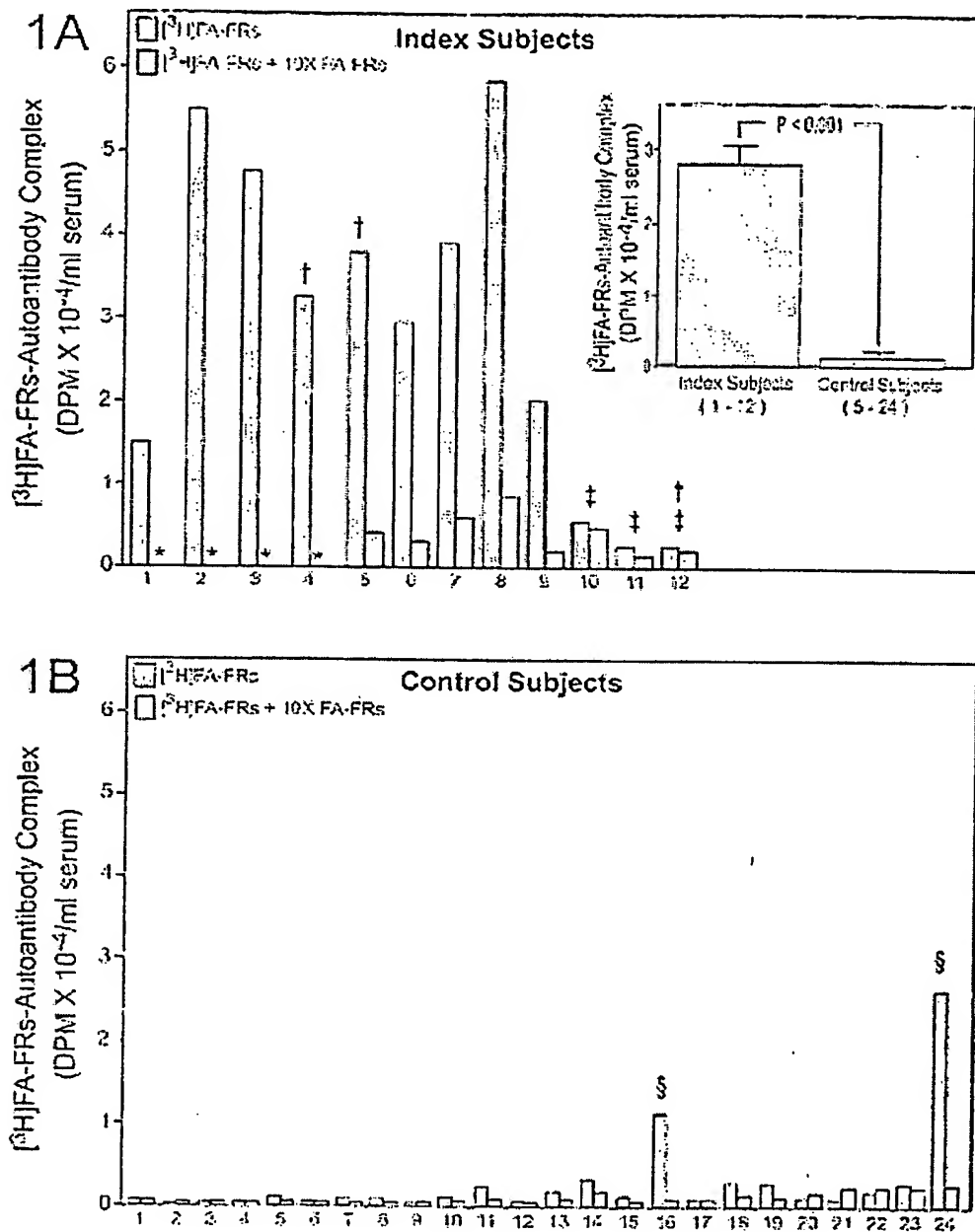


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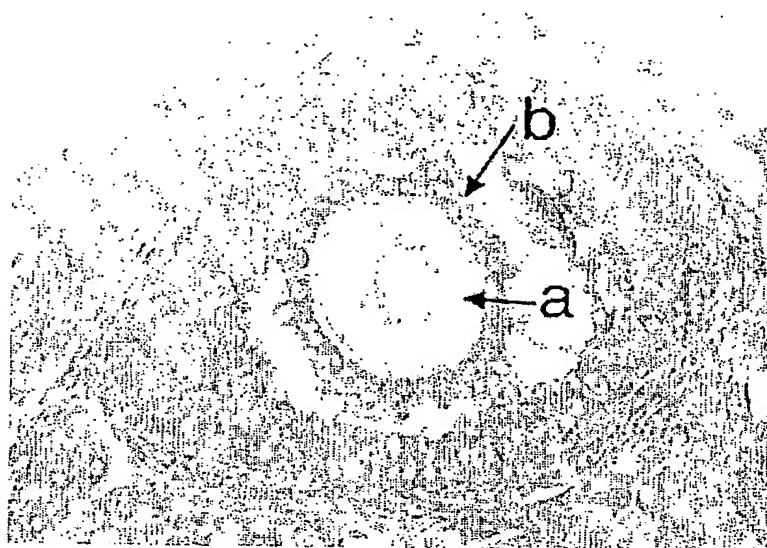
Figure 1



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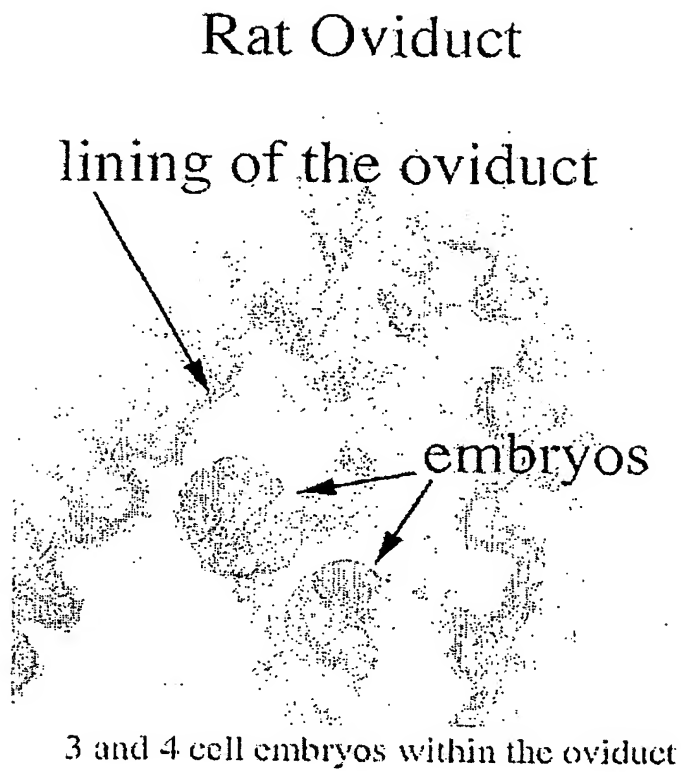
Figure 2

Rat Ovary
follicle



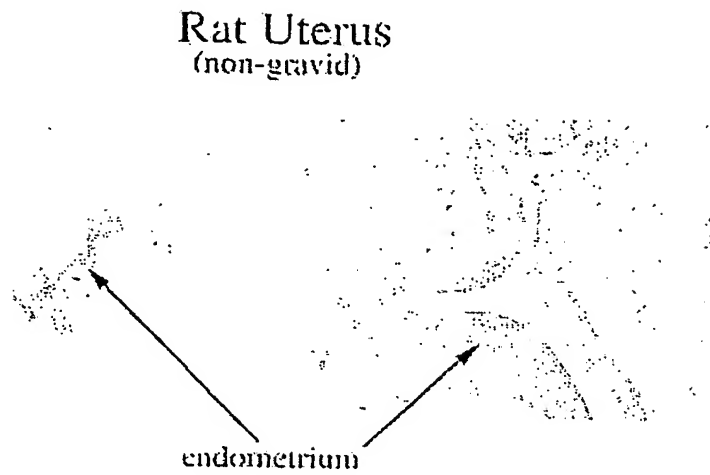
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Figure 3



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Figure 4



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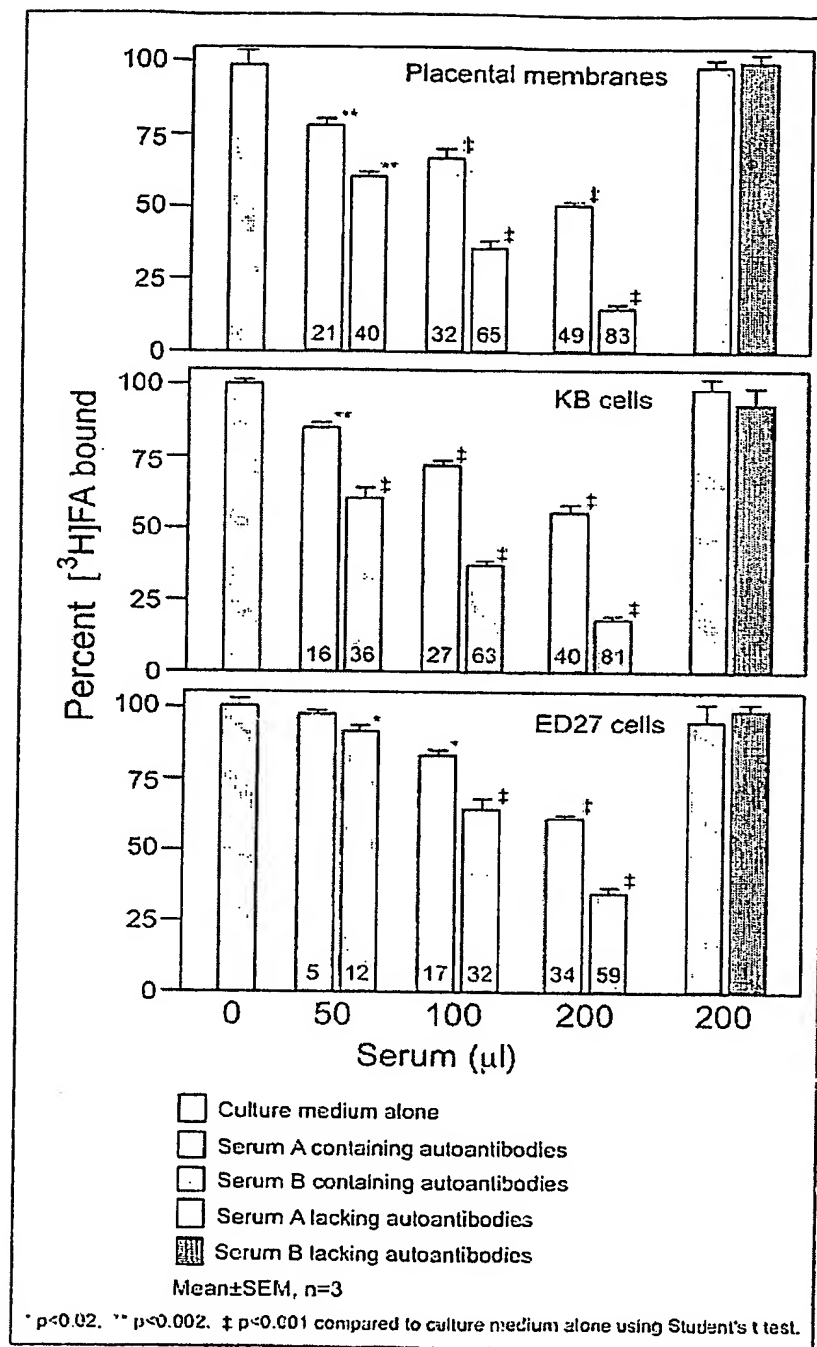
Figure 5

Rat epididymus



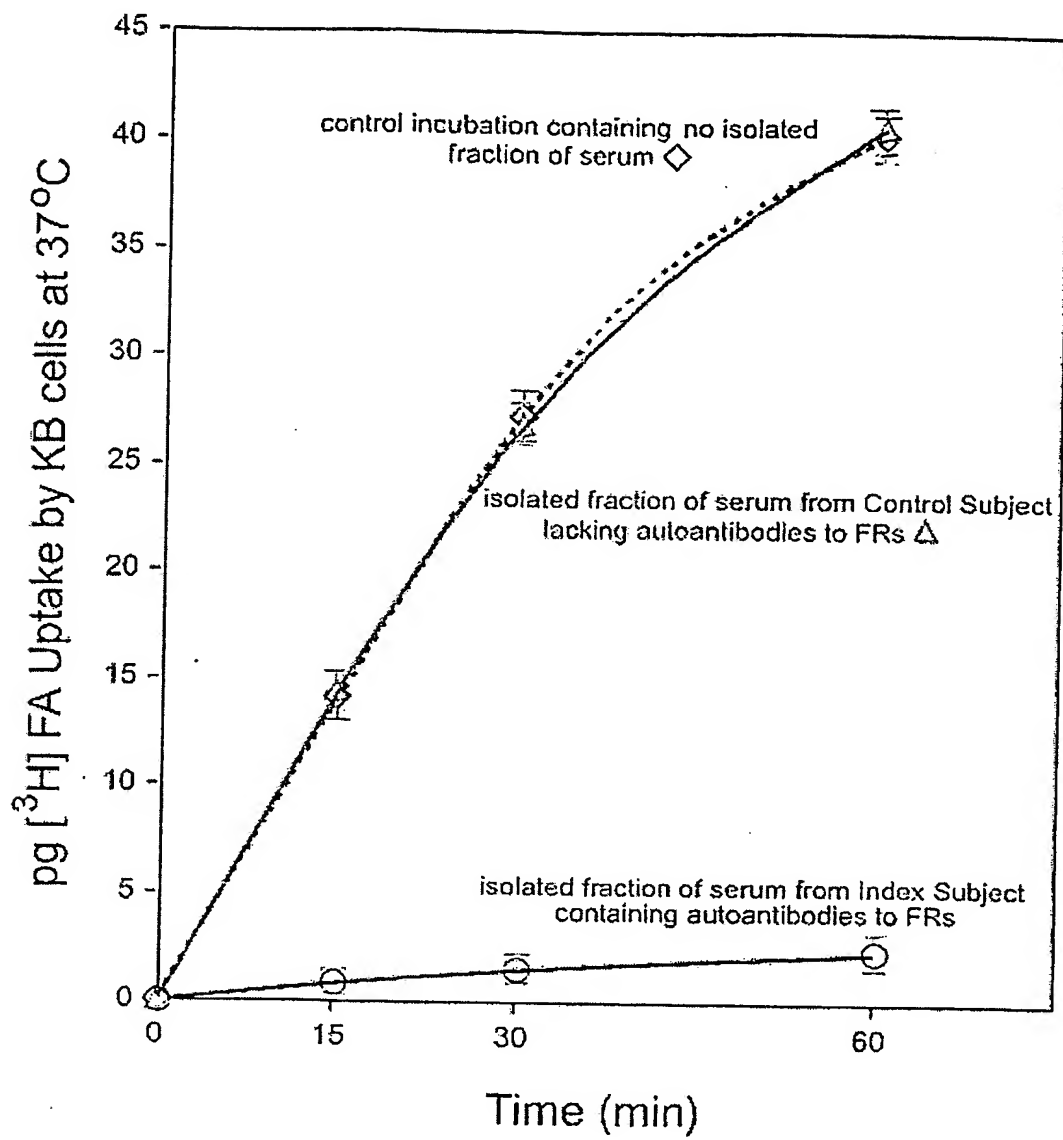
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Figure 6



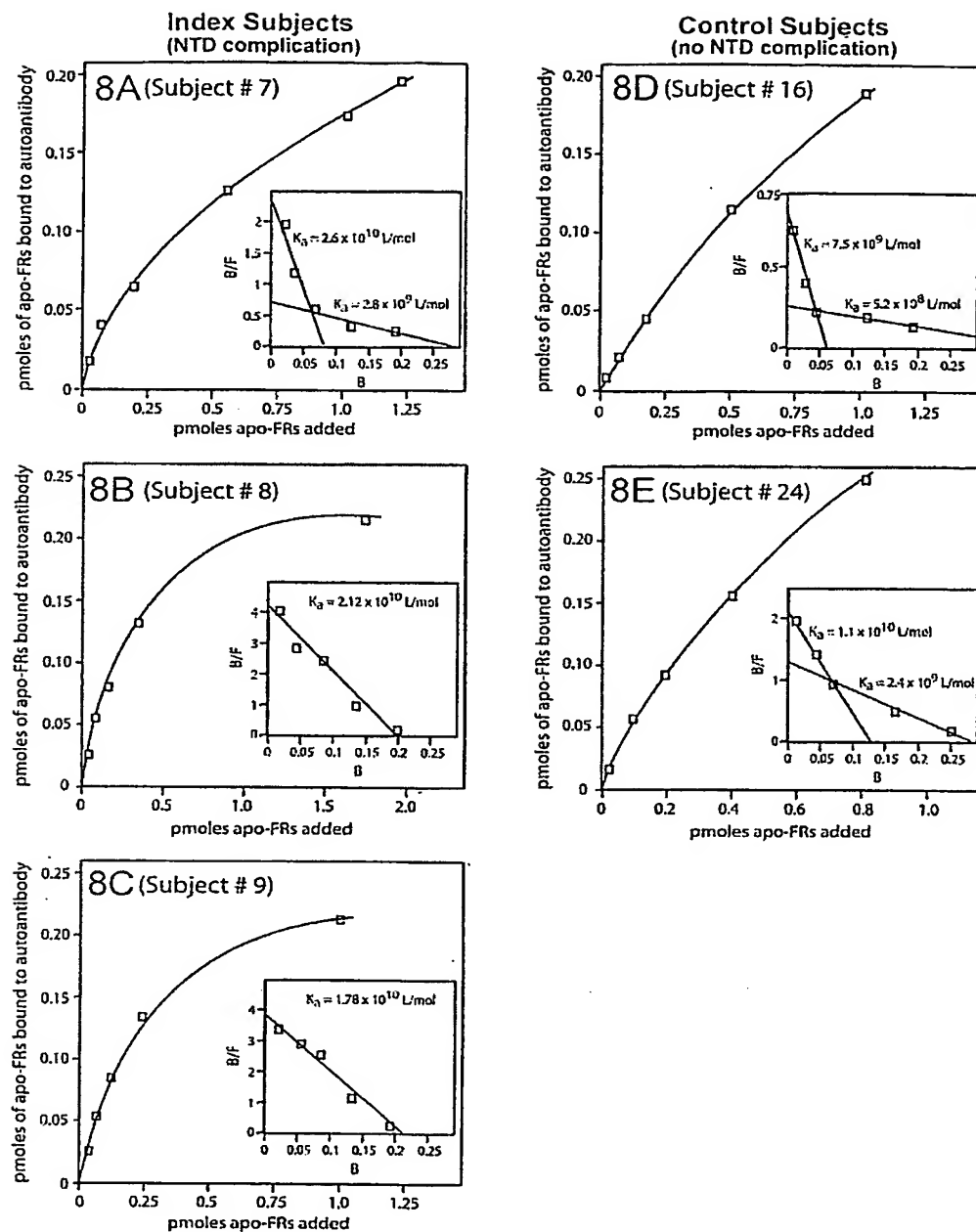
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Figure 7



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



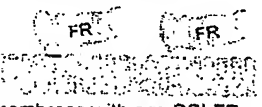

Figure 8.

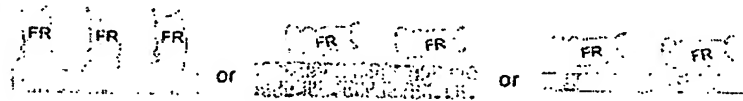


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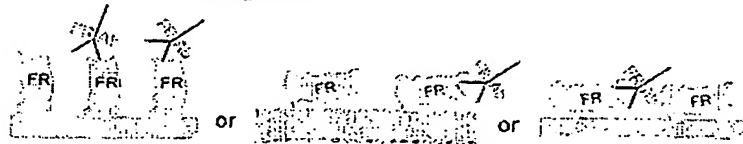
Figure 9A


Determination of the presence of blocking autoantibodies to FRs in serum


KEY	
	folic acid (FA) coupled to X where X can be either a: enzyme b: radioactive label c: fluorescent marker d: biotin
	autoantibody to FR present in serum
	apo GPI-FR
	FR without GPI anchor
	matrix with apo FRs covalently coupled
	membrane with apo GPI-FRs
	matrix with apo GPI-FRs coupled via a hydrocarbon chain or hydrophobic moiety or lipophilic moiety




Incubate overnight at 4°C with serum that has been charcoal treated to remove endogenous FA





Incubate with  for 30 min at 4°C

(FRs whose FA binding sites are not blocked by the autoantibody will bind to the )



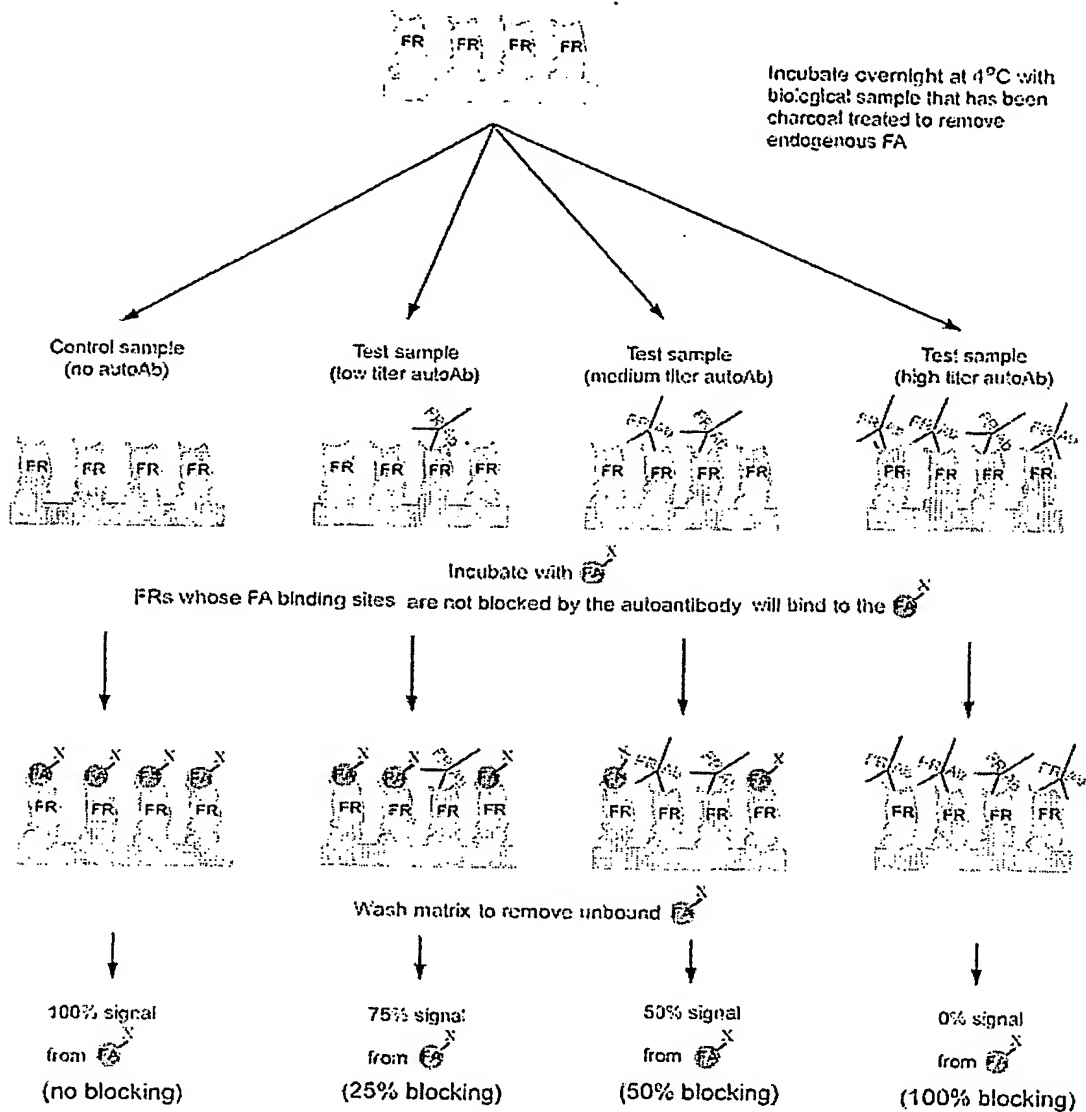
Wash matrix/membranes to remove unbound 

Detect bound  either by counting radioactivity, or by incubating with an avidin-enzyme complex followed by an appropriate substrate resulting in a color reaction, or by direct color substrate reaction, or by detecting immunofluorescence.

The reduction in bound  obtained when compared to the control incubation conducted in the absence of serum containing autoantibodies to FRs identifies the presence of and gives the titer of the blocking autoantibody to the FRs.

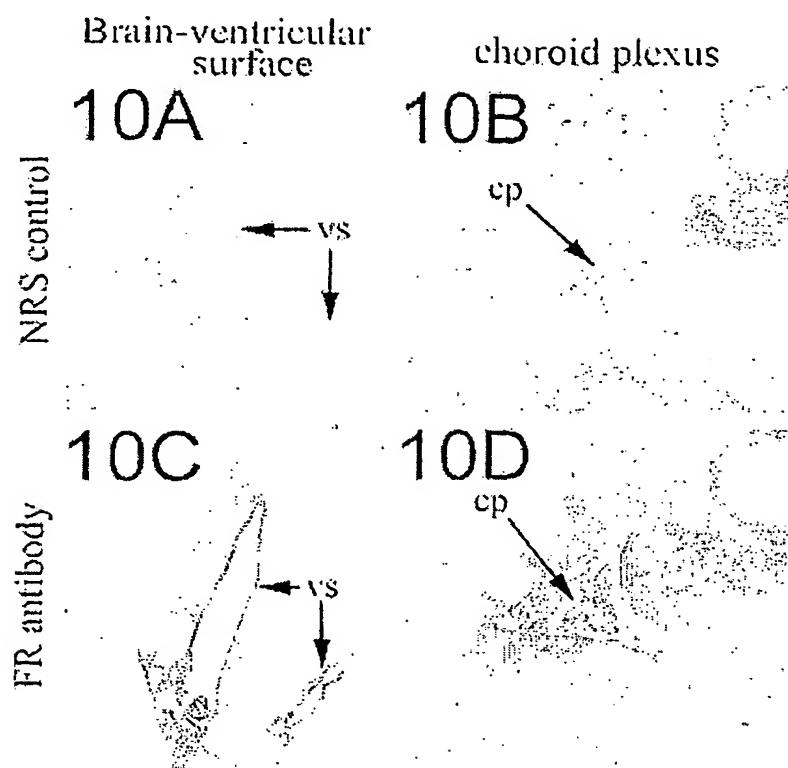
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Figure 9B
Effect of biological samples containing varying titers of blocking autoantibodies to FRs



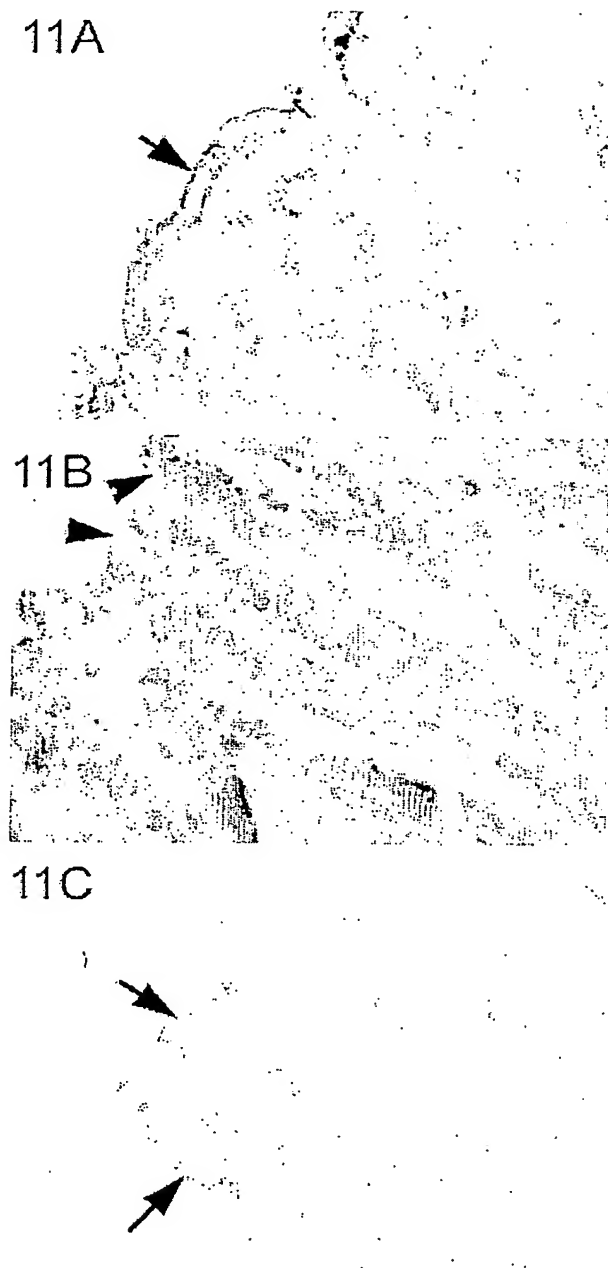
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Figure 10.



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Figure 11.



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